

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("4443551").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/22 18:59
S2	37	("2608474" "3466021" "3647714" "3680349" "3890111" "3927479" "3974091" "4051069" "4223843" "4322384").PN. OR ("4443551"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:05
S3	2442876	screen grate plate	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:05
S4	16	S2 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:09
S5	86038	distributor	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:09
S6	700473	pipe piping	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:09
S7	510868	array	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10
S8	271	S6 adj S7	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10
S9	181216	tuyeres nozzles	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10
S10	2681	S5 with S9	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10
S11	289	(S8 or S10) with (screen grate plate mesh)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10
S12	8742	fluidize	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10
S13	62209	fluidize fluidized	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10
S14	96	S11 and S13	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:10

S15	15	("3074777" "3277582" "3361539" "3419253" "3462246" "3505030" "5014632").PN. OR ("5183641").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/22 19:15
S16	30	("2487984" "2715565" "2906608" "3197286" "3277582" "3543414" "3552033" "3746516" "4073064" "4429471" "4436507" "4453494" "4475467" "4600380" "4628831" "4648330").PN. OR ("5014632"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/23 11:04
S17	20	("2798030" "3053642" "3309784" "3912460").PN. OR ("4032300").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/23 11:06

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("0443551").PN.	USPAT; USOCR	OR	OFF	2003/11/20 15:41
S2	1	("4443551").PN.	USPAT; USOCR	OR	OFF	2002/10/02 18:31
S3	8150	regenerator	USPAT	OR	OFF	2002/10/02 18:31
S4	37978	distributor	USPAT	OR	OFF	2003/06/04 15:04
S5	158567	combustion	USPAT	OR	OFF	2002/10/02 18:31
S6	572	regenerator and distributor and combustion	USPAT	OR	OFF	2002/10/02 18:31
S7	167100	fuel	USPAT	OR	OFF	2002/10/02 18:31
S8	302	(regenerator and distributor and combustion) and fuel	USPAT	OR	OFF	2002/10/02 18:31
S9	860128	air	USPAT	OR	OFF	2002/10/02 18:32
S10	33195	combustion with fuel with air	USPAT	OR	OFF	2002/10/02 18:32
S11	66	regenerator and distributor and (combustion with fuel with air)	USPAT	OR	OFF	2002/10/02 18:32
S12	733065	heat	USPAT	OR	OFF	2002/10/02 18:32
S13	253767	exchanger exchange	USPAT	OR	OFF	2002/10/02 18:32
S14	83129	heat adj (exchanger exchange)	USPAT	OR	OFF	2002/10/02 18:32
S15	49	(regenerator and distributor and (combustion with fuel with air)) and "17"	USPAT	OR	OFF	2002/10/02 18:35
S16	48	(regenerator and distributor and (combustion with fuel with air)) and (heat adj (exchanger exchange))	USPAT	OR	OFF	2002/10/02 18:35
S17	4	((("5423370") or ("4512821") or ("4524957") or ("4547228")).PN.	USPAT; USOCR	OR	OFF	2003/06/04 15:10
S18	1	("4223243").PN.	USPAT; USOCR	OR	OFF	2003/06/04 14:54
S19	1	("2798030").PN.	USPAT; USOCR	OR	OFF	2003/06/04 14:54
S20	87932	sand	USPAT	OR	OFF	2003/06/04 14:58
S21	3	((("5423370") or ("4512821") or ("4524957") or ("4547228")).PN.) and sand	USPAT	OR	OFF	2003/06/04 15:00
S22	1	("4443551").PN.	USPAT; USOCR	OR	OFF	2003/06/04 15:03
S23	24	"4443551".URPN.	USPAT	OR	OFF	2003/06/04 15:00
S24	10	("2608474" "3466021" "3647714" "3680349" "3890111" "3927479" "3974091" "4051069" "4223843" "4322384").PN.	USPAT	OR	OFF	2003/06/04 15:03

S25	5	sand and ("4443551".URPN. (("2608474" "3466021" "3647714" "3680349" "3890111" "3927479" "3974091" "4051069" "4223843" "4322384").PN.))	USPAT	OR	OFF	2003/06/04 15:04
S26	1076311	metal	USPAT	OR	OFF	2003/06/04 15:04
S27	110484	casting castings	USPAT	OR	OFF	2003/06/04 15:04
S28	1273	sand with metal with (casting castings)	USPAT	OR	OFF	2003/06/04 15:07
S29	39288	distributor	USPAT	OR	OFF	2003/06/04 15:05
S30	22	(sand with metal with (casting castings)) and distributor	USPAT	OR	OFF	2003/06/04 15:06
S31	1811	debond debonding	USPAT	OR	OFF	2003/06/04 15:06
S32	0	distributor same (debond debonding)	USPAT	OR	OFF	2003/06/04 15:07
S33	2	(sand with metal with (casting castings)) same (debond debonding)	USPAT	OR	OFF	2003/06/04 15:07
S34	6425	sand with metal	USPAT	OR	OFF	2003/06/04 15:07
S35	3	(debond debonding) with (sand with metal)	USPAT	OR	OFF	2003/06/04 15:07
S36	14	"4512821".URPN.	USPAT	OR	OFF	2003/06/04 15:09
S37	7373	reclaim reclaiming	USPAT	OR	OFF	2003/06/04 15:53
S38	165	sand near3 (reclaim reclaiming)	USPAT	OR	OFF	2003/06/04 15:11
S39	40255	fluidize fluidized fluidizing	USPAT	OR	OFF	2003/06/04 15:11
S40	5	distributor and ((sand near3 (reclaim reclaiming)) and (fluidize fluidized fluidizing))	USPAT	OR	OFF	2003/06/04 15:11
S41	72	(sand near3 (reclaim reclaiming)) and (fluidize fluidized fluidizing)	USPAT	OR	OFF	2003/06/04 15:22
S42	5	("3399637" "3772999" "3907674" "4427375" "4434726").PN.	USPAT	OR	OFF	2003/06/04 15:33
S43	9	"5271450".URPN.	USPAT	OR	OFF	2003/06/04 15:33
S44	1076311	metal	USPAT	OR	OFF	2003/06/04 15:45
S45	554267	treatment treatments	USPAT	OR	OFF	2003/06/04 15:45
S46	44423	metal with (treatment treatments)	USPAT	OR	OFF	2003/06/04 15:45
S47	104	(fluidize fluidized fluidizing) with (metal with (treatment treatments))	USPAT	OR	OFF	2003/06/04 15:46
S48	2	(reclaim reclaiming) and ((fluidize fluidized fluidizing) with (metal with (treatment treatments)))	USPAT	OR	OFF	2003/06/04 15:51
S49	443987	aluminum	USPAT	OR	OFF	2003/06/04 15:51

S50	0	US-2798030-A.DID. and aluminum	USPAT	OR	OFF	2003/06/04 15:52
S51	3364	sand with aluminum	USPAT	OR	OFF	2003/06/04 15:52
S52	7423	reclaim reclaiming reclamation	USPAT	OR	OFF	2003/06/04 15:53
S53	8	(sand with aluminum) same (reclaim reclaiming reclamation)	USPAT	OR	OFF	2003/06/04 16:01
S54	1	("4752061").PN.	USPAT; USOCR	OR	OFF	2003/06/04 15:55
S55	0	"5202080".URPN.	USPAT	OR	OFF	2003/06/04 15:56
S56	1	"4563151".PN.	USPAT	OR	OFF	2003/06/04 15:56
S57	6	"5332139".URPN.	USPAT	OR	OFF	2003/06/04 15:56
S58	64	(sand with aluminum) same (fluidize fluidized fluidizing)	USPAT	OR	OFF	2003/06/04 16:04
S59	1	("3053704").PN.	USPAT; USOCR	OR	OFF	2003/06/04 16:05
S60	27	"3053704".URPN.	USPAT	OR	OFF	2003/06/04 16:06
S61	9	"5271450".URPN.	USPAT	OR	OFF	2003/06/04 16:32
S62	5	("3399637" "3772999" "3907674" "4427375" "4434726").PN.	USPAT	OR	OFF	2003/06/04 16:33
S63	4	US-5908804-\$.DID. OR US-3763830-\$.DID. US-3053704-\$. DID. US-4443551-\$.DID.	USPAT	OR	OFF	2003/11/19 16:00
S64	120241	door	USPAT	OR	OFF	2003/11/19 16:00
S65	0	(US-5908804-\$.DID. OR US-3763830-\$.DID. US-3053704-\$. DID. US-4443551-\$.DID.) and door	USPAT	OR	OFF	2003/11/19 16:04
S66	699099	cover	USPAT	OR	OFF	2003/11/19 16:04
S67	0	cover and (US-5908804-\$.DID. OR US-3763830-\$.DID. US-3053704-\$. DID. US-4443551-\$.DID.)	USPAT	OR	OFF	2003/11/19 16:04
S68	26976	fluidized adj bed	USPAT	OR	OFF	2003/11/19 16:49
S69	233456	catalyst	USPAT	OR	OFF	2003/11/19 16:05
S70	0	(door same (fluidized adj bed)) same catalyst	USPAT	OR	OFF	2003/11/19 16:05
S71	67	door same (fluidized adj bed)	USPAT	OR	OFF	2003/11/19 16:08
S72	206208	tuyere tuyeres nozzle nozzles	USPAT	OR	OFF	2003/11/19 16:09
S73	580400	piping pipes distribution distributor distributer	USPAT	OR	OFF	2003/11/19 16:09
S74	9894	(tuyere tuyeres nozzle nozzles) near4 (piping pipes distribution distributor distributer)	USPAT	OR	OFF	2003/11/19 16:09
S75	1971261	below beneath perpendicular perpendicularly	USPAT	OR	OFF	2003/11/19 16:25

S76	496	((tuyere tuyeres nozzle nozzles) near4 (piping pipes distribution distributor distributor)) with (below beneath perpendicular perpendicularly))	USPAT	OR	OFF	2003/11/19 16:10
S77	57	(fluidized adj bed) and (((tuyere tuyeres nozzle nozzles) near4 (piping pipes distribution distributor distributor)) with (below beneath perpendicular perpendicularly))	USPAT	OR	OFF	2003/11/19 16:10
S78	0	door and ((fluidized adj bed) and (((tuyere tuyeres nozzle nozzles) near4 (piping pipes distribution distributor distributor)) with (below beneath perpendicular perpendicularly)))	USPAT	OR	OFF	2003/11/19 16:10
S79	12	cover and ((fluidized adj bed) and (((tuyere tuyeres nozzle nozzles) near4 (piping pipes distribution distributor distributor)) with (below beneath perpendicular perpendicularly)))	USPAT	OR	OFF	2003/11/19 16:10
S80	10	("2608474" "3466021" "3647714" "3680349" "3890111" "3927479" "3974091" "4051069" "4223843" "4322384").PN.	USPAT	OR	OFF	2003/11/19 16:11
S81	24	"4443551".URPN.	USPAT	OR	OFF	2003/11/19 16:20
S82	564141	perpendicular perpendicularly "90 degrees"	USPAT	OR	OFF	2003/11/19 16:26
S83	3137	(tuyere tuyeres nozzle nozzles) near3 (perpendicular perpendicularly "90 degrees")	USPAT	OR	OFF	2003/11/19 16:26
S84	5715	"metal casting" "metal castings"	USPAT	OR	OFF	2003/11/19 16:26
S85	0	((fluidized adj bed) and ((tuyere tuyeres nozzle nozzles) near3 (perpendicular perpendicularly "90 degrees"))) and ("metal casting" "metal castings")	USPAT	OR	OFF	2003/11/19 16:26
S86	60	(fluidized adj bed) and ((tuyere tuyeres nozzle nozzles) near3 (perpendicular perpendicularly "90 degrees"))	USPAT	OR	OFF	2003/11/19 16:30
S87	1	("6253830").PN.	USPAT; USOCR	OR	OFF	2003/11/19 16:31
S88	3	("5294094" "5332139" "5423370").PN.	USPAT	OR	OFF	2003/11/19 16:30
S89	0	"6253830".URPN.	USPAT	OR	OFF	2003/11/19 16:31
S90	918628	air	USPAT	OR	OFF	2003/11/19 16:31

S91	469117	distributor distribution	USPAT	OR	OFF	2003/11/19 16:31
S92	12275	air near2 (distributor distribution)	USPAT	OR	OFF	2003/11/19 16:32
S93	846	(fluidized adj bed) and (air near2 (distributor distribution))	USPAT	OR	OFF	2003/11/19 16:32
S94	988	(tuyere tuyeres nozzle nozzles) with (air near2 (distributor distribution))	USPAT	OR	OFF	2003/11/19 16:32
S95	0	((perpendicular perpendicularly "90 degrees") with ((tuyere tuyeres nozzle nozzles) with (air near2 (distributor distribution)))) and (fluidized adj bed)	USPAT	OR	OFF	2003/11/19 16:32
S96	11	(perpendicular perpendicularly "90 degrees") with ((tuyere tuyeres nozzle nozzles) with (air near2 (distributor distribution)))	USPAT	OR	OFF	2003/11/19 16:33
S97	1	("metal casting" "metal castings") and ((tuyere tuyeres nozzle nozzles) with (air near2 (distributor distribution)))	USPAT	OR	OFF	2003/11/19 16:34
S98	6	("metal casting" "metal castings") and ((fluidized adj bed) and (air near2 (distributor distribution)))	USPAT	OR	OFF	2003/11/19 16:35
S99	8895	(tuyere tuyeres nozzle nozzles) with (perpendicular perpendicularly "90 degrees")	USPAT	OR	OFF	2003/11/19 16:35
S100	15	((fluidized adj bed) and (air near2 (distributor distribution))) and ((tuyere tuyeres nozzle nozzles) with (perpendicular perpendicularly "90 degrees"))	USPAT	OR	OFF	2003/11/19 16:41
S101	1	("5271450").PN.	USPAT; USOCR	OR	OFF	2003/11/19 16:47
S102	5	("3399637" "3772999" "3907674" "4427375" "4434726").PN.	USPAT	OR	OFF	2003/11/19 16:41
S103	10	"5271450".URPN.	USPAT	OR	OFF	2003/11/19 16:44
S104	11	("4226830" "4645452" "4693682" "4841884" "5006062" "5020451" "5063028" "5093085" "5138958" "5239945" "5271450").PN.	USPAT	OR	OFF	2003/11/19 16:46
S105	1	"5452669".URPN.	USPAT	OR	OFF	2003/11/19 16:47
S106	296966	array	USPAT	OR	OFF	2003/11/19 16:48
S107	2408838	below beneath under	USPAT	OR	OFF	2003/11/19 16:48

S10 8	19437	(tuyere tuyeres nozzle nozzles) near3 (below beneath under)	USPAT	OR	OFF	2003/11/19 16:48
S10 9	276	((distributor distribution) with ((tuyere tuyeres nozzle nozzles) near3 (below beneath under)))	USPAT	OR	OFF	2003/11/19 16:48
S11 0	37875	fluidized	USPAT	OR	OFF	2003/11/19 16:49
S11 1	27	((distributor distribution) with ((tuyere tuyeres nozzle nozzles) near3 (below beneath under))) and fluidized	USPAT	OR	OFF	2003/11/19 16:50
S11 2	89907	sand	USPAT	OR	OFF	2003/11/19 16:50
S11 3	11419	sand and (tuyere tuyeres nozzle nozzles)	USPAT	OR	OFF	2003/11/19 16:50
S11 4	57933	air with (tuyere tuyeres nozzle nozzles)	USPAT	OR	OFF	2003/11/19 16:50
S11 5	3088	sand and (air with (tuyere tuyeres nozzle nozzles))	USPAT	OR	OFF	2003/11/19 16:51
S11 6	94	reclamation	USPAT	OR	OFF	2003/11/19 16:51
S11 7	0	(sand and (air with (tuyere tuyeres nozzle nozzles))) and reclamation	USPAT	OR	OFF	2003/11/19 16:51
S11 8	580	fluidized and (sand and (air with (tuyere tuyeres nozzle nozzles)))	USPAT	OR	OFF	2003/11/19 16:51
S11 9	32	door and (fluidized and (sand and (air with (tuyere tuyeres nozzle nozzles))))	USPAT	OR	OFF	2003/11/19 16:58
S12 0	10192	FCC	USPAT	OR	OFF	2003/11/19 16:58
S12 1	120241	door	USPAT	OR	OFF	2003/11/19 16:58
S12 2	436	FCC and door	USPAT	OR	OFF	2003/11/19 16:58
S12 3	233456	catalyst	USPAT	OR	OFF	2003/11/19 16:58
S12 4	71	door with catalyst	USPAT	OR	OFF	2003/11/19 16:58
S12 5	2	FCC and (door with catalyst)	USPAT	OR	OFF	2003/11/19 16:58
S12 6	10192	FCC	USPAT	OR	OFF	2003/11/20 11:26
S12 7	120241	door	USPAT	OR	OFF	2003/11/20 11:27
S12 8	562008	service servicing clean cleaning	USPAT	OR	OFF	2003/11/20 11:27

S12 9	6199	door with (service servicing clean cleaning)	USPAT	OR	OFF	2003/11/20 11:07
S13 0	18	FCC and (door with (service servicing clean cleaning))	USPAT	OR	OFF	2003/11/20 11:17
S13 1	76757	cracking	USPAT	OR	OFF	2003/11/20 11:17
S13 2	126	(door with (service servicing clean cleaning)) and cracking	USPAT	OR	OFF	2003/11/20 11:17
S13 3	40783	fluidized fluidize fluidise fluidised	USPAT	OR	OFF	2003/11/20 15:47
S13 4	8	((door with (service servicing clean cleaning)) and cracking) and (fluidized fluidize fluidise fluidised)	USPAT	OR	OFF	2003/11/20 11:19
S13 5	27	FCC with door	USPAT	OR	OFF	2003/11/20 11:20
S13 6	1498006	cover closure opening window	USPAT	OR	OFF	2003/11/20 11:20
S13 7	38323	(service servicing clean cleaning) with (cover closure opening window)	USPAT	OR	OFF	2003/11/20 11:21
S13 8	178361	reactor regenerator regeneration	USPAT	OR	OFF	2003/11/20 11:21
S13 9	1287	FCC with (reactor regenerator regeneration)	USPAT	OR	OFF	2003/11/20 11:21
S14 0	7	((service servicing clean cleaning) with (cover closure opening window)) and (FCC with (reactor regenerator regeneration))	USPAT	OR	OFF	2003/11/20 15:56
S14 1	1	(fluidized fluidize fluidise fluidised) with (door with (service servicing clean cleaning))	USPAT	OR	OFF	2003/11/20 11:25
S14 2	12	(fluidized fluidize fluidise fluidised) same (door with (service servicing clean cleaning))	USPAT	OR	OFF	2003/11/20 11:25
S14 3	1074	FCC	USOCR	OR	OFF	2003/11/20 11:28
S14 4	109596	door	USOCR	OR	OFF	2003/11/20 11:28
S14 5	305570	service servicing clean cleaning	USOCR	OR	OFF	2003/11/20 11:28
S14 6	5067	door with (service servicing clean cleaning)	USOCR	OR	OFF	2003/11/20 11:27
S14 7	2	FCC same (door with (service servicing clean cleaning))	USOCR	OR	OFF	2003/11/20 11:27
S14 8	11339	fluidized fluidize fluidise fluidised	USOCR	OR	OFF	2003/11/20 11:28

S14 9	5	(fluidized fluidize fluidise fluidised) same (door with (service servicing clean cleaning))	USOCR	OR	OFF	2003/11/20 11:27
S15 0	471	FCC	EPO; JPO	OR	OFF	2003/11/20 11:28
S15 1	15312	fluidized fluidize fluidise fluidised	EPO; JPO	OR	OFF	2003/11/20 11:28
S15 2	87269	door	EPO; JPO	OR	OFF	2003/11/20 11:28
S15 3	227824	service servicing clean cleaning	EPO; JPO	OR	OFF	2003/11/20 11:28
S15 4	1	(door with (service servicing clean cleaning)) same (FCC or (fluidized fluidize fluidise fluidised))	EPO; JPO	OR	OFF	2003/11/20 11:29
S15 5	81415	lid	USPAT	OR	OFF	2003/11/20 15:41
S15 6	10192	FCC	USPAT	OR	OFF	2003/11/20 15:41
S15 7	140984	reactor	USPAT	OR	OFF	2003/11/20 15:41
S15 8	517	FCC adj reactor	USPAT	OR	OFF	2003/11/20 15:41
S15 9	0	lid with (FCC adj reactor)	USPAT	OR	OFF	2003/11/20 15:41
S16 0	0	(FCC adj reactor) and lid	USPAT	OR	OFF	2003/11/20 15:42
S16 1	76757	cracking	USPAT	OR	OFF	2003/11/20 15:42
S16 2	239	lid same cracking	USPAT	OR	OFF	2003/11/20 15:42
S16 3	15	reactor and (lid same cracking)	USPAT	OR	OFF	2003/11/20 15:45
S16 4	1	("5908804").PN.	USPAT; USOCR	OR	OFF	2003/11/20 16:50
S16 5	49634	regenerator regeneration	USPAT	OR	OFF	2003/11/20 15:45
S16 6	29	lid with (regenerator regeneration)	USPAT	OR	OFF	2003/11/20 15:45
S16 7	233456	catalyst	USPAT	OR	OFF	2003/11/20 15:45
S16 8	0	(lid with (regenerator regeneration)) same catalyst	USPAT	OR	OFF	2003/11/20 15:45
S16 9	1	(lid with (regenerator regeneration)) and catalyst	USPAT	OR	OFF	2003/11/20 15:46
S17 0	120241	door	USPAT	OR	OFF	2003/11/20 15:46

S17 1	21	(regenerator regeneration) with door	USPAT	OR	OFF	2003/11/20 15:46
S17 2	4	((regenerator regeneration) with door) and catalyst	USPAT	OR	OFF	2003/11/20 15:46
S17 3	42271	fluidized fluidize fluidise fluidised fluidization	USPAT	OR	OFF	2003/11/20 15:47
S17 4	43	door with (fluidized fluidize fluidise fluidised fluidization)	USPAT	OR	OFF	2003/11/20 15:47
S17 5	2	catalyst and (door with (fluidized fluidize fluidise fluidised fluidization))	USPAT	OR	OFF	2003/11/20 15:47
S17 6	201870	hydrocarbon	USPAT	OR	OFF	2003/11/20 15:48
S17 7	3	(door with (fluidized fluidize fluidise fluidised fluidization)) and hydrocarbon	USPAT	OR	OFF	2003/11/20 15:48
S17 8	469117	distributor distribution	USPAT	OR	OFF	2003/11/20 15:48
S17 9	23	(door with (fluidized fluidize fluidise fluidised fluidization)) and (distributor distribution)	USPAT	OR	OFF	2003/11/20 15:50
S18 0	3	("5294094" "5332139" "5423370").PN.	USPAT	OR	OFF	2003/11/20 15:49
S18 1	1	("4752061").PN.	USPAT; USOCR	OR	OFF	2003/11/20 15:52
S18 2	730727	distribution distributor injection injector	USPAT	OR	OFF	2003/11/20 15:53
S18 3	438093	nozzle nozzles tuyere tuyeres pipe pipes	USPAT	OR	OFF	2003/11/20 15:53
S18 4	679363	downward downwards downwardly	USPAT	OR	OFF	2003/11/20 15:53
S18 5	1961	(distribution distributor injection injector) with (nozzle nozzles tuyere tuyeres pipe pipes) with (downward downwards downwardly)	USPAT	OR	OFF	2003/11/20 15:54
S18 6	1836097	advantage advantages benefit benefits	USPAT	OR	OFF	2003/11/20 15:54
S18 7	31	((distribution distributor injection injector) with (nozzle nozzles tuyere tuyeres pipe pipes) with (downward downwards downwardly)) same (advantage advantages benefit benefits)	USPAT	OR	OFF	2003/11/20 15:56
S18 8	140984	reactor	USPAT	OR	OFF	2003/11/20 16:02
S18 9	1412898	door lid cover opening	USPAT	OR	OFF	2003/11/20 16:03

S19 0	604157	service servicing clean cleaning serviced cleaned	USPAT	OR	OFF	2003/11/20 16:03
S19 1	174	reactor with (door lid cover opening) with (service servicing clean cleaning serviced cleaned)	USPAT	OR	OFF	2003/11/20 15:57
S19 2	19	cracking and (reactor with (door lid cover opening) with (service servicing clean cleaning serviced cleaned))	USPAT	OR	OFF	2003/11/20 15:57
S19 3	1	(fluidized fluidize fluidise fluidised fluidization) and (cracking and (reactor with (door lid cover opening) with (service servicing clean cleaning serviced cleaned)))	USPAT	OR	OFF	2003/11/20 15:58
S19 4	17	(fluidized fluidize fluidise fluidised fluidization) and (reactor with (door lid cover opening) with (service servicing clean cleaning serviced cleaned))	USPAT	OR	OFF	2003/11/20 15:59
S19 5	55183	reactor	USOCR	OR	OFF	2003/11/20 16:03
S19 6	654775	door lid cover	USOCR	OR	OFF	2003/11/20 16:03
S19 7	330235	service servicing clean cleaning serviced cleaned	USOCR	OR	OFF	2003/11/20 16:03
S19 8	13	reactor with (door lid cover) with (service servicing clean cleaning serviced cleaned)	USOCR	OR	OFF	2003/11/20 16:03
S19 9	89907	sand	USPAT	OR	OFF	2003/11/20 16:51
S20 0	60973	cores foundry	USPAT	OR	OFF	2003/11/20 16:51
S20 1	1844	sand near2.(cores foundry)	USPAT	OR	OFF	2003/11/20 16:51
S20 2	37875	fluidized	USPAT	OR	OFF	2003/11/20 16:51
S20 3	171	(sand near2 (cores foundry)) and fluidized	USPAT	OR	OFF	2003/11/20 16:51
S20 4	391129	particles	USPAT	OR	OFF	2003/11/20 16:51
S20 5	185789	solids	USPAT	OR	OFF	2003/11/20 16:51
S20 6	1144363	metal metals	USPAT	OR	OFF	2003/11/20 16:51
S20 7	61541	(particles solids) with (metal metals)	USPAT	OR	OFF	2003/11/20 16:52

S20 8	27	((sand near2 (cores foundry)) and fluidized) and ((particles solids) with (metal metals))	USPAT	OR	OFF	2003/11/20 17:01
S20 9	155941	bed	USPAT	OR	OFF	2003/11/20 16:55
S21 0	1907	(metal metals) near2 bed	USPAT	OR	OFF	2003/11/20 16:55
S21 1	6	((sand near2 (cores foundry)) and fluidized) and ((metal metals) near2 bed)	USPAT	OR	OFF	2003/11/20 16:55
S21 2	1	("6253830").PN.	USPAT; USOCR	OR	OFF	2003/11/20 17:01